



OGMCOAL DNR <ogmcoal@utah.gov>

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## Crandalls December Monthly Information

1 message

Leonard, JD <jleonard@coalsource.com>

Mon, Jan 27, 2014 at 11:42 AM

To: Ken Hoffman <kenhoffman@utah.gov>

Cc: "Marshall, Jay" <jmarshall@coalsource.com>, "Hibbs, David" <dhibbs@coalsource.com>, "ogmcoal@utah.gov" <ogmcoal@utah.gov>

Hi Ken,

Attached is Decembers Monthly information for the Crandall Canyon Mine. If you have any questions or need additional information please contact me.

*Thank You,*

*JD Leonard*

Engineer Tech

Utah American Energy, Inc.

*West Ridge Mine, Inc.*

*(435)888-4000*

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### 2 attachments

Ken Hoffman Crandall 2013.xlsx  
64K

December Polymer 2013.pdf  
64K



## Analysis Report

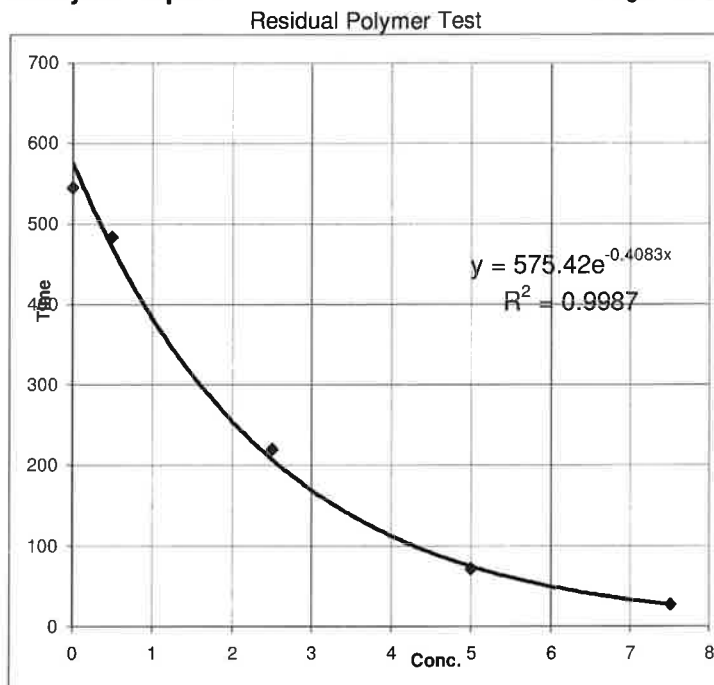
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Genwal Resources Inc.  
794 "C" Canyon Road  
East Carbon, UT 84520

Client Sample ID: Polymer Test  
Date Sampled: 12/1/2013  
Date Received: 12/13/2013  
Product Description:  
Sample Taken At: Genwal Mine  
Sample Taken By: JD  
Time Received: 1210  
Time Sampled: 1000

### Coagulant (1mg/l) and Flocculent

Exponent	INTERCEPT	
-0.4083	575.420000	
Standards	Time	Conc. Mg/l
BLANK	545	0
1	483	0.5
2	220	2.5
3	72	5
4	27	7.5



Comments: Customer supplied method  
Flocculent Date: 6/24/2013

### Residual Polymer (based on 1 mg/l Coagulant)

Sample #	mL of Sample	Time	Conc. Mg/l
1322320-002	45	514	0.28

ND = none detect (<0 mg/l)

Domenic Ibanez  
Water Lab Supervisor

SGS North America Inc.

Minerals Services  
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